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Arakawa

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(54) **SYSTEM AND METHOD FOR ANALYZING
BABY CRIES**

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

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367/199; 381/56; 381/57; 381/58; 704/246

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(57) **ABSTRACT**

This invention provides a system for analyzing baby cries capable of diagnosing a cause of cry of a baby based on a cry from the baby. A microphone (1) picks up a cry from a baby as an audio signal. At a certain sampling frequency, an A/D converter (2) samples the audio signal received by the microphone (1) to A/D convert it. An audio analyzer (3) analyzes the audio signal samples by the A/D converter (2) and computes a characteristic quantity based on a frequency spectrum. A cause-of-cry assumption unit (4) assumes a cause of cry based on the characteristic quantity of the audio signal derived at the audio analyzer (3). Finally, an assumed result display (5) displays the assumed result from the cause-of-cry assumption unit (4).

6 Claims, 3 Drawing Sheets

